

Product Information

HES5B/8B Series

5 and 8-port Din-rail Entry-level Unmanaged Ethernet Switches



Features

- 5 or 8 port, copper and LC fiber port options
- UL/cUL Class I/Division 2 Groups A,B,C, and D
- Designed to meet Level 3 (Heavy) industrial environments
- EN61000-6-2 Certifications
- Shock, vibration, free fall tested
- IP30 rated DIN rail case with 6 different panel mount options



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Introduction

The HES5B/8B series of industrial Ethernet switches are entry-level industrial 5 and 8-port Ethernet switches that support IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDIX auto-sensing RJ45 ports. The HES5B/8B switches are rated to operate at temperatures ranging from -10 to 60°C, or with a wide operating temperature range from -40 to +75°C. The switches can be easily installed on a DIN-rail as well as in distribution boxes. The DIN-rail mounting capability, wide operating temperature, and the IP30 housing with LED indicators make the plug-and-play HES5B/8B switches easy to use and reliable.

Specifications

Technology		Optical Fiber	
Standard :	IEEE802.3, 802.3u, 802.3x	Mode	Multi-mode Single Mode
Processing Type :	Store and forward with IEEE802.3x full duplex, non-blocking flow control	Transmission Distance	2km 20km
Protocols :	IEEE802.3x flow control, back pressure flow control	Centre Wavelength	1310nm 1310nm
Switch Properties		Cable Size	62.5/125um 9/125um
MAC Table Size :	2K	TX Power(dBm)	-20~-10dBm -15~-8dBm
Interface		RX Power(dBm)	< -32dBm < -32dBm
RJ45 Port :	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Transmission Rate	100Mbps 100Mbps
Fiber Port :	100BaseFX, (multi-mode or single-mode with LC connectors)	Standards and Certifications	
LED Indicators :	Power, (Link / Speed / Activity for each port)	Safety :	cUL508
Power Requirements		EMI :	FCC Part15, CISPR(EN55022) Class A
Input Voltage :	12~36VDC and 10~24VAC	EMS :	EN61000-4-2(ESD) Level 3, EN61000-4-3(RS) Level 3, EN61000-4-4(EFT) Level 3, EN61000-4-5(Surge) Level 3, EN61000-4-6(CS) Level 3, EN61000-6-2 UL Class 1, Division 2, Groups A, B, C, and D
Power Consumption :	4w Max		
Input Connection :	Removable Terminal Block		
Protection :	Reverse Polarity Protection		
Physical Characteristics			
Case :	Slim Metal Case, IP30 Design	Shock :	IEC 60068-2-27
Dimensions :	25×100×75mm (HES5B) 24×145×75mm (HES8B)	Freefall :	IEC 60068-2-32
Installation :	DIN Rail or Panel Mounting	Vibration :	IEC 60068-2-6
Environment Limits		Warranty	
Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C	Warranty Period :	3 years
Storage Temp. :	-40 to 85°C		
Ambient Relative Humidity :	5 to 95%(Non-condensing)		

Ordering Information

HES5B

HES5B-VL	Entry-level Din-rail Unmanaged, 5 x 100Mbps Copper Port, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC
HES5B-VLW	Entry-level Din-rail Unmanaged, 5 x 100Mbps Copper Port, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC
HES5B-LC-VL	Entry-level Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with LC Connectors, 2KM, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC
HES5B-LC-VLW	Entry-level Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with LC Connectors, 2KM, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC
HES5B-SLC-VL	Entry-level Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with LC Connectors, 20KM, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC
HES5B-SLC-VLW	Entry-level Din-rail Unmanaged, 4 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with LC Connectors, 20KM, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC

HES8B

HES8B-VL	Entry-level Din-rail Unmanaged, 8 x 100Mbps Copper Port, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC
HES8B-VLW	Entry-level Din-rail Unmanaged, 8 x 100Mbps Copper Port, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC
HES8B-LC-VL	Entry-level Din-rail Unmanaged, 7 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with LC Connectors, 2KM, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC
HES8B-LC-VLW	Entry-level Din-rail Unmanaged, 7 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with LC Connectors, 2KM, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC
HES8B-SLC-VL	Entry-level Din-rail Unmanaged, 7 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with LC Connectors, 20KM, Industrial Temperature -10 to +60 °C, Power Input 12~36VDC or 10~24VAC
HES8B-SLC-VLW	Entry-level Din-rail Unmanaged, 7 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with LC Connectors, 20KM, Industrial Wide Temperature -40 to +75 °C, Power Input 12~36VDC or 10~24VAC